



1096448 - R8 SDMS

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April 12, 2006

Sent via U.S. Mail

Eric Johnson
U.S. Environmental Protection Agency
Region 8, 8ENF-T
999 18th Street, Suite 300
Denver, Colorado 80202-2466

RE: Progress report for march 2006 activities - Hecla Mining Company Apex Site (EPA
ID No. UT982589848, Docket No. RCRA-8-99-06)

Dear Mr. Johnson:

Per paragraph 64 of the Order, enclosed is a copy of the March 2006 progress report for your records.

If you have any questions please do not hesitate to call me at (208) 769-4135 or e-mail at cgypton@hecla-mining.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Gypton", with a long, sweeping horizontal line extending to the right.

Chris Gypton
Project Manager

Encl

Cc: HMC Legal Dept (w/o attachments)
John Jacus, Esq. (DG&S)



COPY

April 12, 2006

Sent via U.S. Mail

Glenn Rogers, Chairman.
Shivwits Band of Paiute Indian Tribe
P.O. Box 448
Santa Clara, Utah 84765

John Krause
Bureau of Indian Affairs Phoenix Area Office
U.S. Department of Interior
P.O. Box 10
Phoenix, AZ 85001

Kelly Youngbear
BIA Southern Paiute Agency
P.O. Box 720
St. George, UT 84771

RE: Progress report for March 2006 activities - Hecla Mining Company Apex Site (EPA ID No. UT982589848, Docket No. RCRA-8-99-06)

Dear Chairman Rogers, Mr. Krause and Ms. Youngbear:

Per paragraph 64 of the Order, enclosed is a copy of the March 2006 progress report for your records.

If you have any questions please do not hesitate to call me at (208) 769-4135 or e-mail at cgypton@hecla-mining.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Gypton", written over a horizontal line.

Chris Gypton
Project Manager

Encl

Cc: HMC Legal Dept. (w/o attachments)
John Jacus, Esq. (DG&S) (w/o attachments)
Eric Johnson (USEPA, Region VIII) (w/o attachments)



April 12, 2006

MEMORANDUM TO: Paul Glader
COPIES TO: file, distribution
FROM: Chris Gypton
SUBJECT: **Progress Report No. 23 for period ending March 31, 2006;
Pond 2 Final Closure - Apex Site, Washington County, Utah**

Summary

The construction completion report was issued to USEPA Region VIII, BIA and the Shivwits Band on March 13th. An additional copy was transmitted to Monster Engineering for their reference.

The third visual inspection, per the long term monitoring plan, was conducted on March 24th. No unusual conditions were noted. The settlement monuments were surveyed on March 16th.

Major Issues

1. BIA demand to have Pond 2 removed from Shiwits' property – This issue is still not resolved, however we are proceeding with the long term monitoring plan per the 7003 order.

Work Planned for Next Period

1. Visual inspection of site.
2. Settlement monument survey.
3. Schedule the post construction meeting at site with USEPA. Tentatively this meeting will be in May. USEPA will coordinate with BIA and the Shiwits Band.

Sampling and Analysis in Period

Field Tests, Inspections & QA/QC

1. The third site inspection was done on March 24th, a copy of the inspection report is included in the Supplemental Attachments section.
2. Alpha Engineering surveyed the settlement monuments on March 16th.

Cost and Schedule

Committed costs in March 2006 were approximately \$4,000. Total project to date committed is approximately \$1,228,200.

The cost report for March is attached. Current status of the deliverables listed in the RCRA 7003 order is as follows:

Deliverable	Reference Paragraph	Due	Remarks
Post warning signage around perimeter of site	57	15 days after effective date of order	Work completed on March 9, 2004
Begin implementation of closure plan	63	45 days after receipt of filing of order	Work started on February 23, 2004
Monthly progress reports	64	28th day after close of month	Requirement in effect after order is filed.
Completion report	66	30 days after completion of all closure plan tasks	Construction completion report submitted on 3/13/2006. A follow-up report to be issued after end of monitoring period.

The update of the schedule milestones is on the following table:

Milestone	Target	Actual	Remarks
Issue bid package – Phase I (Sump Drains)	6/14/04	6/15/04	Portion of RFP materials issued at pre-bid on 6/14/04; remainder sent via courier
Issue RFP package – Phase III	6/24/04	6/24/04	
Award contract for Phase I	6/24/04	6/29/04	Date contract was shipped to Hughes
Pre-bid meeting – Phase III	7/19/04	7/19/04	
Start Phase I (Sump Drains) construction	7/12/04	7/19/04	
Start Phase II (Evaporation)	7/19/04	7/29/04	
Receive bids for Phase III	8/2/04	8/2/04	
Re-bid Phase III contract package	April 2005	4/27/05	Date bid package was sent to Hughes
Start Phase III construction	End of August 2005	8/29/05	Start of contractor mobilization
Complete Phase III construction	Dec 23rd 2005	12/23/05	Completion of contract scope of work
Issue Construction Completion Report	Week of 3/13/2006	3/13/06	

Supplemental Attachments

1. March 24, 2006 long term monitoring inspection report, by D. Truman.

**Apex Site - Pond 2 Final Closure
Project Cost Report**

Date Printed: 4/11/2008

Activity	2004 Budget	Revised Budget May 2004	Committed Cost this Period	Cumulative Committed Cost To Date 3-31-08	Forecasted Cost To Complete	Forecasted Final Cost	Remarks on Forecast to Complete
Phases I through III (Completed February 2006)							
Phase I - Drain Excess Liquid From Tailings	189,200	72,700		67,928	0	67,928	
Phases II, IIA + IIB - Evaporate Excess Liquid	6,000	8,000		242,882	0	242,882	
Phase III - Regrading & Final Cover System	337,000	342,050		504,742	0	504,742	
Field Indirect Costs	164,500	213,568		378,517	0	378,517	Includes Jan + Feb 2008 long term monitoring costs
Hecia Costs	18,700	18,700	3,241	33,324	0	33,324	
Subtotal Phases I through III	715,400	655,018	3,241	1,227,393	0	1,227,393	
Long Term Monitoring (through FY 2010)							
Site Inspections			131	131	4,800	4,731	
Settlement Monitoring			675	675	8,775	9,450	
Consultant Support:							
Annual Geotechnical Engineer Inspections				0	19,100	19,100	Includes settlement monitoring data analysis
Vegetation Monitoring				0	20,000	20,000	Allowance for surveys in FY 2007, 2009 and 2010
Maintenance:							
Erosion Repair Allowance				0	7,500	7,500	
Overseeding Allowance				0	9,920	9,920	
Hecia Project Management Costs:							
Labor				0	9,880	9,880	
Travel expenses				0	3,972	3,972	
Subtotal Long Term Monitoring	0	0	806	806	83,747	84,553	
Total Pond 2 Final Closure	715,400	655,018	4,047	1,228,199	83,747	1,311,946	

Annual Site Inspection Summary Sheet - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

Form 1 of 4 - Summary

Date: 2-24-06

Inspector: Dan Tamm

Cover System Component	Potential Problem	Allowable Limits	Limits Potentially Exceeded
Site Perimeter	Erosion or Fencing Issues	NA	NA
Cover System (outslopes, top, rock)	Subsidence	Minor: ponding < 1" some gulying / erosion	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
		Significant: see Table 2	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Embankment Slope Stability	excessive movement or surface cracks > than 1"	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gulying	on top	depth > 1" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		at embankment crest or on outslope	depth > 2" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in normal flow channel in diversion channel	no gulying allowed Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in diversions at toe of impoundment outslope	no gulying allowed Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		in diversion channel at any other location	NA NA
	Erosion Protection Stability	rock subsiding or missing	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Seepage	no colored seepage allowed (red, blue, yellow w/ crystallization)	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Runoff Control System	Diversion Channel	rock in place, channel not moving, fence stable	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
	Diversion Swales	rock in place, no silting in or head cutting	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
	Excessive silt build up at fence lines in diversion channel	allowed if not effecting cover system	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>

* Mark all areas of concern or requiring repairs on attached site map.

Annual Site Inspection - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

Form 2 of 4 - Site Perimeter

Inspection Date: <u>3-24-01</u>	
Inspector: <u>D. Tan</u>	
Visible Outlying Areas	
Observed Condition:	Reclamation work appears to be done on apex property. They have reseeded most of the property, some minor ponding on their property.
Observed Damage:	
May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
Property Boundary Fence and Gate (walk fence line)	
Observed Condition:	Good condition.
Observed Damage:	None
Potential Corrective Actions:	None
May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
All Upgradient Areas (areas that drain onto property)	
Observed Condition:	Some ponding on Apex property. (See map.)
Observed Damage:	None
May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	

* Mark all areas of concern or requiring repairs on attached site map.

Annual Site Inspection - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

Form 3 of 4 - Impoundment

Inspection Date: <u>3-24-01</u> Inspector: <u>D.T.</u>			
Outslopes			
Observed Performance:	Rock Cover Subsidence:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Slope Movement (failure):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gully Development:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Observable Leachate (colored):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Siltation (at slope toe):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions:			
Top (top surface soils)			
Observed Performance:	Cracking (>1" width):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Settlement / Evidence of Ponding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Erosion / Gullyng:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions:			
Erosion Protection Layer (rock)			
Observed Performance:	Rock Staying in Place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Rock Subsiding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Missing Rock:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions:			

* Mark all areas of concern or requiring repairs on attached site map.

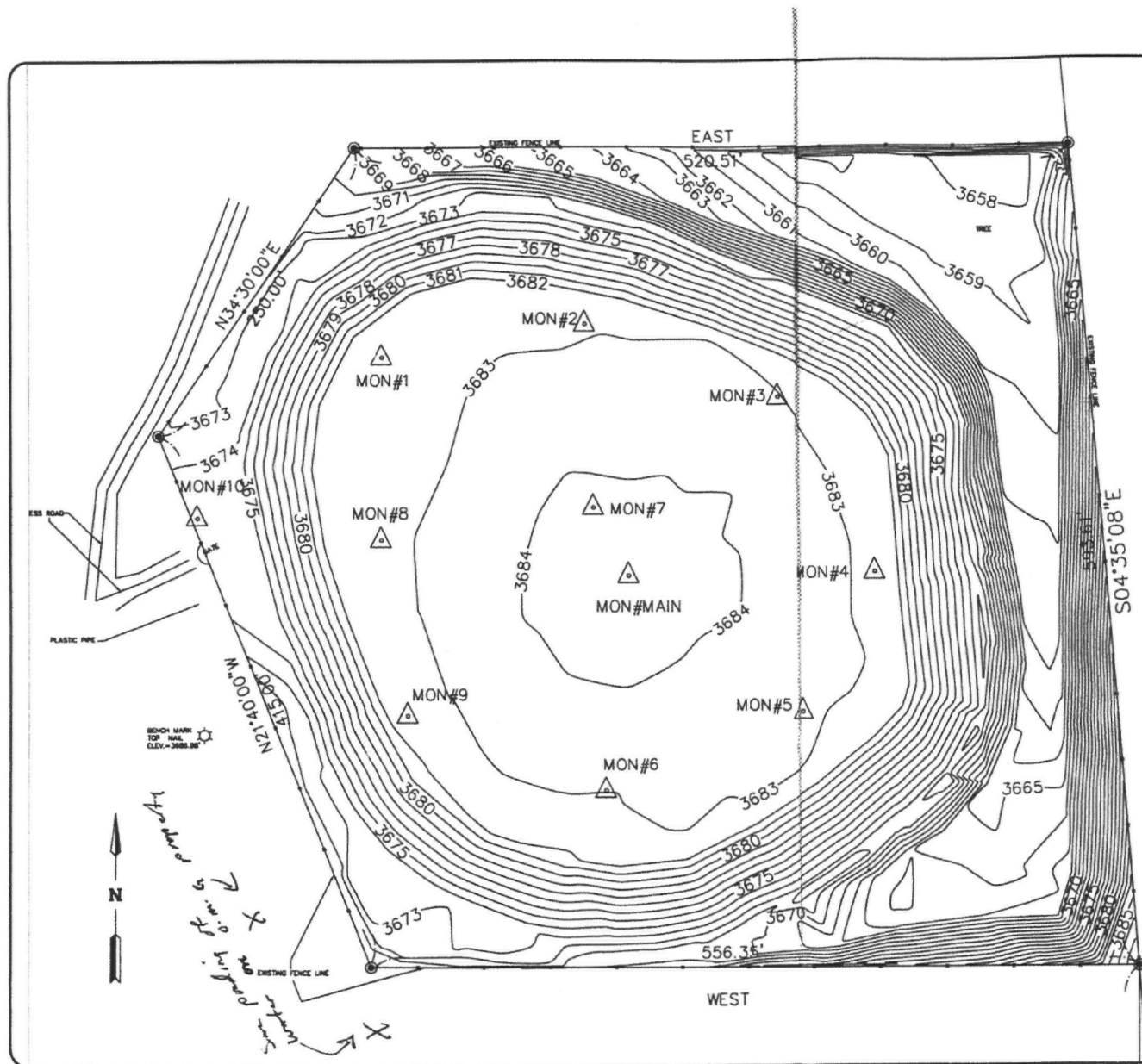
Annual Site Inspection - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

Form 4 of 4 - Diversion Channel and Swales

Date: <u>3-28-06</u>			
Inspector: <u>D.T.</u>			
Diversion Channel			
Observed Performance:	Erosion Protection in place:	Yes <u>Y</u> No <u> </u>	May require repair: Yes <u> </u> * No <u>X</u>
	Normal Flow Channel in place:	Yes <u>Y</u> No <u> </u>	May require repair: Yes <u> </u> * No <u>X</u>
	Encroaching on Site Fencing:	Yes <u> </u> No <u>Y</u>	May require repair: Yes <u> </u> * No <u>Y</u>
Observed Damage: <u>All is well</u>			
Potential Corrective Actions:			
Diversion Swales			
Observed Performance:	Erosion Protection in place:	Yes <u>Y</u> No <u> </u>	May require repair: Yes <u> </u> * No <u>X</u>
	Flow Channel Silting In:	Yes <u> </u> No <u>Y</u>	May require repair: Yes <u> </u> * No <u>X</u>
	Head Cutting:	Yes <u> </u> No <u>Y</u>	May require repair: Yes <u> </u> * No <u>Y</u>
Observed Damage: <u>All is well</u>			
Potential Corrective Actions:			

* Mark all areas of concern or requiring repairs on attached site map.



SITE INSPECTION

Inspector: *Dan Thomas*

Inspection Date: *3-24-06*

Notes:

DATE	20 Feb. 06
DRAWN BY	S. Thomas
CHECKED BY	C. Gypson
SCALE	1" = 70'

POND 2 FINAL CLOSURE
APEX SITE
WASHINGTON COUNTY UTAH



LEGEND

- ⊙ FND REBAR & CAP
ALPHA ENGINEERING CO.
- △ MONITORING MONUMENT
- X— FENCE LINE
- CONTOUR INTERVAL = 1.0' FOOT

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FIGURE NO.

1